

TECHNICAL DATA SHEET
DISPERFIN WD
for waterborne woodstains

Characteristics:

The **DISPERFIN WD** series are aqueous pigment preparations of high quality, transparent iron oxides for colouring woodstains based on waterborne synthetic resins (acrylic dispersions, alkyd emulsions a. o.). Transparent iron oxides combine the high fastness qualities of normal synthetic iron oxides with permeability to visible light (app. 400-700 nm). At the same time, owing to their small particle size they form a shield against ultraviolet light (app. 190-350 nm). Thus, they protect the surface of the wood against impairment by UV-rays. These high-performance transparent pigments are well known to be more difficult to disperse. However **DISPERFIN WD** types may be simply added to the material to be coloured as these pastes are dispersed in a special wetting agent. To guarantee homogeneous mixing we recommend the use of a high-speed mixer. The **DISPERFIN WD** paste is storable and its range of viscosity guarantees easy applicability. According to our experiences **DISPERFIN WD** has no negative influence on the drying and film properties of the final product.

Range / Application:

- Colours: yellow, red, mixed colour shades on request
- Types of quality: **DISPERFIN 400 WD**
DISPERFIN BRILLIANT WD

DISPERFIN 400 WD is our standard product, with **DISPERFIN BRILLIANT WD** you can produce more brilliant and more transparent woodstains. In addition, we have the possibility to produce a product to the customer's specifications in view of compatibility problems, if there is a sufficient demand. Combinations of **DISPERFIN WD** yellow, red and a suitable black paste enable one to easily get the standard wood colour shades. We recommend our **ADDIPAST WD BLACK**. The dosage depends on the desired colour shade. For good UV-protection the concentration should be min. 2 g/m² (of transparent iron oxide pigment yellow) resp. 1 g/m² (red)

Solvent:

The content of solvents (glycol derivatives) is about 6 - 12 % by weight (s. technical data).

Storage:

The guaranty period for storage stability is 6 months. Before using we recommend that the paste will be stirred/homogenized. To prevent drying, please always keep the tub carefully closed after use. **DISPERFIN WD** pastes are basically sensitive to frost, for this reason storing < 0 °C should be avoided.

Packing:

DISPERFIN WD pastes are available in tubs of 35 kg net (1 pallet with 18 tubs = 630 kg net) or in 200-l-barrels (250 kg net). On request, larger packing units (containers) are possible.

Regulations:

The **DISPERFIN WD** preparations need not be marked neither acc. to German transport rules ("GGVS/GGVE") nor acc. to the German regulations concerning classes of risk ("GefStoffV").

TECHNICAL DATA:

DISPERFIN 400 WD

| Composition | yellow | red |
|----------------------------------------------------|--------|--------|
| Solids content (approx.%) | 55 | 56 |
| Solvent content (approx.%) (glycol derivatives) | 7 | 6 |
| Density (g/cm ³) (approx.) | 1,48 | 1,58 |
| Viscosity (DIN 53211) (sec) 6mm | 10-100 | 10-100 |
| pH value (approx.) | 8.5 | 8.5 |

DISPERFIN BRILLIANT WD

| Composition | yellow | red |
|----------------------------------------------------|--------|--------|
| Solids content (approx.%) | 45 | 46 |
| Solvent content (approx.%) (glycol derivatives) | 14 | 11 |
| Density (g/cm ³) (approx.) | 1,32 | 1,37 |
| Viscosity (DIN 53211) (sec) 6mm | 10-100 | 10-100 |
| pH value (approx.%) | 8.5 | 8.5 |

For exact values and tolerances, please see our MANUFACTURER's TEST CERTIFICATE that can be supplied for every batch.

The above information is based on our actual knowledge and experience. However it does not represent any guarantee of certain features. It is the responsibility of the buyer of our products to ensure that any proprietary rights and existing laws and legislation are observed.

For service, recommendations and delivery, please, see our General Terms and Conditions.

Date: 31/01/03

All former data sheets are no longer valid.